

ABSTRACT

An apparatus for providing inter-processor communication (IPC) using transmission control protocol/Internet protocol (TCP/IP) in a communication system, including: an Ethernet interface module for providing an interface between an Ethernet device driver and an interprocessor communication (IPC) module, determining a type of a received message, transmitting the received message to a message process module if the type of the received message is non-frame data, and queuing the received message in a corresponding mailbox corresponding to frame data if the type of the received message is the frame data; a message process module for queuing the non-frame data received through the Ethernet interface module in a corresponding mailbox; and a common application programming interface (API) module for providing an interface for basically performing data transmission and reception through the message process module, mailbox management, interprocessor communication (IPC) buffer management and an interprocessor communication (IPC) control function.